

ELECTRICAL CONNECTOR ADAPTABLE TO FLASH MEMORY CARDS OF DIFFERENT SPECIFICATIONS

ABSTRACT OF THE DISCLOSURE

An electrical connector includes an insulation housing, conductive terminals, first spring arms, second spring arms, solder legs, a circuit board and several retaining portions. A memory card slot is formed in the housing which adapted to receive the flash memory cards of different types. Each conductive terminal includes a spring portion and a solder portion. The solder portions of the conductive terminals and the solder legs are disposed on the lateral of the housing of the electrical connector. The solder portions of the conductive terminals are soldered on a main board for conducting the electronic signals between the flash memory cards and the main board. The solder legs are soldered on the main board to connect the circuit on the circuit board with the main board for transmitting the electronic signals between the flash memory cards and the circuit board. The first and second spring arms are mounted on the circuit board and utilized to resiliently contact with the terminals of flash memory cards while a flash memory card has inserted in the memory card slot. The first spring arms, the second spring arms and conductive terminals of the electrical connector are respectively coupled to the first, second and third types of the flash memory cards.